

Release notes for ENDF/B Development n-054_Xe_126
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=5431, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=5431, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      249 TO      306
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=5431, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=5431, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      249
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5431, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      308
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 1 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      420
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      447
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      474
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      491
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 17 (0): Directory (b)

- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 17 | RECORD NUMBER | 500 |
| SECTION 3/ 17 NOT IN DIRECTORY | | |
8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 22 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 22 | RECORD NUMBER | 505 |
| SECTION 3/ 22 NOT IN DIRECTORY | | |
9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 28 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 28 | RECORD NUMBER | 519 |
| SECTION 3/ 28 NOT IN DIRECTORY | | |
10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 51 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 51 | RECORD NUMBER | 530 |
| SECTION 3/ 51 NOT IN DIRECTORY | | |
11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 52 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 52 | RECORD NUMBER | 547 |
| SECTION 3/ 52 NOT IN DIRECTORY | | |
12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 53 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 53 | RECORD NUMBER | 563 |
| SECTION 3/ 53 NOT IN DIRECTORY | | |
13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 54 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 54 | RECORD NUMBER | 578 |
| SECTION 3/ 54 NOT IN DIRECTORY | | |
14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 55 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 55 | RECORD NUMBER | 592 |
| SECTION 3/ 55 NOT IN DIRECTORY | | |
15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 56 (0): Directory (b)

- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 56 | RECORD NUMBER | 606 |
| SECTION 3/ 56 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 57 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 57 | RECORD NUMBER | 619 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 58 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 58 | RECORD NUMBER | 632 |
| SECTION 3/ 58 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 59 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 59 | RECORD NUMBER | 645 |
| SECTION 3/ 59 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 60 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 60 | RECORD NUMBER | 657 |
| SECTION 3/ 60 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 61 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 61 | RECORD NUMBER | 669 |
| SECTION 3/ 61 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 62 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 62 | RECORD NUMBER | 680 |
| SECTION 3/ 62 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 63 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 63 | RECORD NUMBER | 691 |
| SECTION 3/ 63 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 64 (0): Directory (b)

- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 64 | |
| SECTION 3/ 64 NOT IN DIRECTORY | RECORD NUMBER 701 |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 65 (0): Directory (b)
- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 65 | |
| SECTION 3/ 65 NOT IN DIRECTORY | RECORD NUMBER 711 |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT= 91 (0): Directory (b)
- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT= 91 | |
| SECTION 3/ 91 NOT IN DIRECTORY | RECORD NUMBER 721 |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT=102 (0): Directory (b)
- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT=102 | |
| SECTION 3/102 NOT IN DIRECTORY | RECORD NUMBER 730 |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT=103 (0): Directory (b)
- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT=103 | |
| SECTION 3/103 NOT IN DIRECTORY | RECORD NUMBER 752 |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT=104 (0): Directory (b)
- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT=104 | |
| SECTION 3/104 NOT IN DIRECTORY | RECORD NUMBER 767 |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT=105 (0): Directory (b)
- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT=105 | |
| SECTION 3/105 NOT IN DIRECTORY | RECORD NUMBER 780 |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT=106 (0): Directory (b)
- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT=106 | |
| SECTION 3/106 NOT IN DIRECTORY | RECORD NUMBER 790 |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 3, MT=107 (0): Directory (b)

- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=5431, MF= 3, MT=107 | RECORD NUMBER | 802 |
| SECTION 3/107 NOT IN DIRECTORY | | |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 2 (0): Directory (b)
- | | | |
|------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 2 | RECORD NUMBER | 819 |
| SECTION 4/ 2 NOT IN DIRECTORY | | |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 16 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 16 | RECORD NUMBER | 1009 |
| SECTION 4/ 16 NOT IN DIRECTORY | | |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 17 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 17 | RECORD NUMBER | 1020 |
| SECTION 4/ 17 NOT IN DIRECTORY | | |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 22 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 22 | RECORD NUMBER | 1031 |
| SECTION 4/ 22 NOT IN DIRECTORY | | |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 28 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 28 | RECORD NUMBER | 1042 |
| SECTION 4/ 28 NOT IN DIRECTORY | | |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 51 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 51 | RECORD NUMBER | 1053 |
| SECTION 4/ 51 NOT IN DIRECTORY | | |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 52 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 52 | RECORD NUMBER | 1081 |
| SECTION 4/ 52 NOT IN DIRECTORY | | |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 53 (0): Directory (b)

- | | |
|-------------------------------------------|--------------------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 53 | |
| SECTION 4/ 53 NOT IN DIRECTORY | RECORD NUMBER 1108 |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 54 (0): Directory (b)
- | | |
|-------------------------------------------|--------------------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 54 | |
| SECTION 4/ 54 NOT IN DIRECTORY | RECORD NUMBER 1135 |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 55 (0): Directory (b)
- | | |
|-------------------------------------------|--------------------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 55 | |
| SECTION 4/ 55 NOT IN DIRECTORY | RECORD NUMBER 1159 |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 56 (0): Directory (b)
- | | |
|-------------------------------------------|--------------------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 56 | |
| SECTION 4/ 56 NOT IN DIRECTORY | RECORD NUMBER 1183 |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 57 (0): Directory (b)
- | | |
|-------------------------------------------|--------------------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 57 | |
| SECTION 4/ 57 NOT IN DIRECTORY | RECORD NUMBER 1207 |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 58 (0): Directory (b)
- | | |
|-------------------------------------------|--------------------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 58 | |
| SECTION 4/ 58 NOT IN DIRECTORY | RECORD NUMBER 1231 |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 59 (0): Directory (b)
- | | |
|-------------------------------------------|--------------------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 59 | |
| SECTION 4/ 59 NOT IN DIRECTORY | RECORD NUMBER 1255 |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 60 (0): Directory (b)
- | | |
|-------------------------------------------|--------------------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 60 | |
| SECTION 4/ 60 NOT IN DIRECTORY | RECORD NUMBER 1279 |
47. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 61 (0): Directory (b)

- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 61 | RECORD NUMBER | 1303 |
| SECTION 4/ 61 NOT IN DIRECTORY | | |
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 62 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 62 | RECORD NUMBER | 1327 |
| SECTION 4/ 62 NOT IN DIRECTORY | | |
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 63 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 63 | RECORD NUMBER | 1351 |
| SECTION 4/ 63 NOT IN DIRECTORY | | |
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 64 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 64 | RECORD NUMBER | 1375 |
| SECTION 4/ 64 NOT IN DIRECTORY | | |
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 65 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 65 | RECORD NUMBER | 1399 |
| SECTION 4/ 65 NOT IN DIRECTORY | | |
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 4, MT= 91 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=5431, MF= 4, MT= 91 | RECORD NUMBER | 1423 |
| SECTION 4/ 91 NOT IN DIRECTORY | | |
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 5, MT= 16 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=5431, MF= 5, MT= 16 | RECORD NUMBER | 1448 |
| SECTION 5/ 16 NOT IN DIRECTORY | | |
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 5, MT= 17 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=5431, MF= 5, MT= 17 | RECORD NUMBER | 1504 |
| SECTION 5/ 17 NOT IN DIRECTORY | | |
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 5, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5431, MF= 5, MT= 22
SECTION 5/ 22 NOT IN DIRECTORY RECORD NUMBER 1521

56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 5, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5431, MF= 5, MT= 28
SECTION 5/ 28 NOT IN DIRECTORY RECORD NUMBER 1753

57. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5431, MF= 5, MT= 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=5431, MF= 5, MT= 91
SECTION 5/ 91 NOT IN DIRECTORY RECORD NUMBER 1869

- **groupie** Errors:

1. Very small elastic cross section found
0: Small elastic

Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPIE 2015-2)

ENDF/B Input and Output Data Filenames

ENDFB.IN

ENDFB.OUT

... [97 more lines]

- **fudge-4.0** Warnings:

1. Missing a channel with a particular angular momenta combination
resonances / resolved / MultiLevelBreitWigner (Error # 0): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"

2. Potential scattering hasn't converted, you need more L's!
resonances / resolved (Error # 1): potentialScatteringNotConverged

WARNING: Potential scattering hasn't converged by L=0 at E=2334.5 eV, xs[0]/xs[0]=100.0% > 0.1%

3. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.44%

4. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 1: (z,n) (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.12%

- **fudge-4.0** Errors:

1. Calculated and tabulated Q values disagree.
reaction label 17: n[multiplicity:'2'] + Xe125 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -10701252.54585266 eV vs -1.01281e7 eV!

2. Calculated and tabulated Q values disagree.
reaction label 18: $n[\text{multiplicity:}'3'] + \text{Xe124}$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -18304530.54498291 eV vs -1.78642e7 eV!

3. Calculated and tabulated Q values disagree.
reaction label 19: $n + \text{H1} + \text{I125}$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -8274539.465942383 eV vs -7614640. eV!

4. Calculated and tabulated Q values disagree.
reaction label 20: $\text{Xe127} + \text{gamma}$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 6570111.841064453 eV vs 7225390. eV!

5. Calculated and tabulated Q values disagree.
reaction label 21: $n + \text{He4} + \text{Te122}$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -1932887.082839966 eV vs -1279910. eV!

6. Calculated and tabulated Q values disagree.
reaction label 22: $\text{H1} + \text{I126}_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -1129116.872756958 eV vs -468544. eV!

7. Calculated and tabulated Q values disagree.
reaction label 23: $\text{H2} + \text{I125}_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6049973.365005493 eV vs -5304520. eV!

8. Calculated and tabulated Q values disagree.
reaction label 24: $\text{H3} + \text{I124}_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -9335527.821960449 eV vs -8675460. eV!

9. Calculated and tabulated Q values disagree.
reaction label 25: $\text{He3} + \text{Te124}_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6157349.748428345 eV vs -5499540. eV!

10. Calculated and tabulated Q values disagree.
reaction label 26: $\text{He4} + \text{Te123}_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4996296.619293213 eV vs 5657690. eV!

- njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (0): GROUPE/conver (0)

---message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 17
only mf4/mf5 provided

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 22
only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 28
only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided